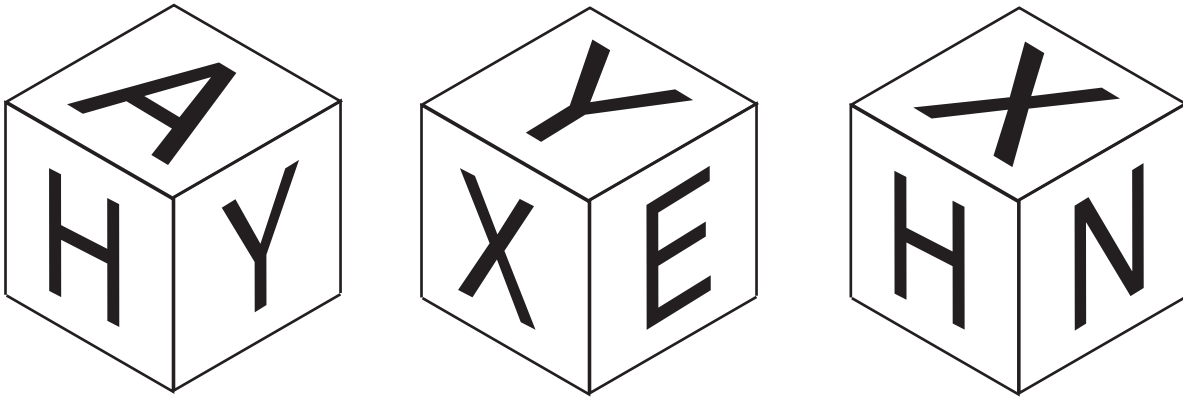


# Opposites Attract

Below are three views of the same cube.



What letter is on the face opposite (1) H, (2) X, and (3) Y? (Give your answers in the same order.)

## Solution:

From the first and third views, the letters on the faces adjacent to H are A, Y, X, N. Then the remaining letter E is opposite H. Similarly, from the second and third views, the letters on the faces adjacent to X are E, Y, H, and N. Then the remaining letter A is opposite X. The letters which have not been paired are Y and N. They must be opposite each other. *(Note: There are other ways of thinking about this problem as well!)*